

***IN THE UNITED STATES PATENT AND TRADEMARK OFFICE***

Applicant: William Vainchenker et al.  
Title: IDENTIFICATION OF A JAK2 MUTATION  
INVOLVED IN VAQUEZ POLYGLOBULIA  
  
Appl. No.: 10/580,458  
  
International Filing Date: 10/26/2005  
371(c) Date: 5/24/06  
  
Examiner: Sheridan Swope  
  
Art Unit: 1652  
  
Confirmation Number: 1466

**RESPONSE TO DRAWING OBJECTIONS AND AMENDMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This communication is responsive to the Non-Final Office Action dated October 2, 2008, and supplemental to the response filed on April 1, 2009, concerning the above-referenced patent application.

**Amendments to the Drawings** begin on page 2 of this document, and include attached replacement drawing sheets.

**Remarks/Arguments** begin on page 3 of this document.

Please amend the application as follows: